MAG-TS

Linear / Angular Magnetic Tape Encoder

Introduction

MAG-TS's performance, design characteristics and ease of installation make it ideally suited for metal fabrication, sawing, woodworking and general measurement applications.

Newall®'s MAG-TS encoder consists of a reading head that travels along a magnetically encoded tape. The tape is made of a ferrous backing affixed to a flexible magnetized rubber substrate that is protected by a stainless steel cover strip.

The MAG-TS can be mounted directly to the machine surface by using the provided adhesive strip. Alternatively, the tape can be attached to an optional backer bar that is then mounted to the machine surface.

Angular Readings on a Rotary Table

The flexibility of the MAG-TS encoder allows you to mount the tape around the circumference of a rotary table on a boring mill. Angular readings can now be displayed with the use of Newall®'s DP1200 or SA100-R DRO.

ELECTRICAL SPECIFICATIONS

Code	Incremental
Supply Voltage	5VDC +/-5%
Current	Typ. 150mA (250mA max.)
Output Format	Differential TTL
Reference Mark	Selectable
Resolution	10µm (0.0005")
Measurement Speed	2Mhz

ELECTRICAL SPECIFICATIONS

Reader Head Dim.	51L x 24W x 26H (2.0"L x 0.94"W x 1.02"H)
Pole Pitch	2mm
Environmental Rating	IP67
Max. Length	20M (65.6')
R.H. Gap Height	0.5 ±0.02mm (0.2" ±0.007")
Accuracy	+/-25µm (±0.001")
Cable	3.5 meter SS armor with 9- Pin D style connector

For more detailed specifications, visit sensata.com

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